

10/727,651

Applicant : Shunpei Yamazaki, et al.
Serial No.: New Application
Filed : December 5, 2003
Page : 2 of 16

Attorney's Docket No.: 12732-051002 /
US4976/4978/4981/4982D1

Amendments to the Specification:

below title
Beginning at page 1, line 3, please insert the following paragraph:

CROSS-REFERENCE TO RELATED APPLICATIONS

LC
7/13/07

This application is a divisional application of U.S. Application Serial No. 09/874,204, filed on June 6, 2001, now allowed, which claims the benefit from foreign priority applications filed in Japan, as serial number 2000-176173, filed June 12, 2000, serial number 2000-176188, filed June 12, 2000, serial number 2000-177641, filed June 13, 2000, and serial number 2000-177652, filed June 13, 2000. This application claims priority to all of these applications, and all of these applications are incorporated by reference.

Please replace the paragraph beginning at page 3, line 23 with the following rewritten paragraph:

This invention provides a TFT having a channel-forming region formed of a crystalline semiconductor film obtained by heat-treating and crystallizing an amorphous semiconductor film containing silicon as a main component and germanium in an amount of not smaller than 0.1 atomic % but not larger than 10 atomic % (preferably, not smaller than 1 atomic % but not larger than 5 atomic %) while adding a metal element thereto, wherein an orientation ratio of the lattice plane {101} is not smaller than 20% [[ef]] and the lattice plane {101} has an angle of not larger than 10 degrees with respect to the surface of the semiconductor film, and an orientation ratio of the lattice plane {001} is not larger than 3% [[ef]] and the lattice plane {001} has an angle of not larger than 10 degrees with respect to the surface of the semiconductor film, and an orientation ratio of the lattice plane {001} is not larger than 5% [[ef]] and the lattice plane {111} has an angle of not larger than 10 degrees with respect to the surface of the semiconductor film as detected by the electron backscatter diffraction pattern method.

Please replace the paragraph beginning at page 4, line 11 with the following rewritten paragraph:

The invention further provides a TFT having a channel-forming region formed of a crystalline semiconductor film obtained by heat-treating and crystallizing an amorphous semiconductor film containing silicon as a main component and germanium in an amount of not